

Applicants: Gerard F. Barry, Nordine Cheikh, Ganesh Kishore.
Serial No. to be assigned
Docket No. 11899.00086.CNUS03
Entitled: EXPRESSION OF FRUCTOSE 1,6 BISPHOSPHATE ALDOLASE IN
TRANSGENIC PLANTS

TGCAACTTGAAGTATGACGAGTATAAGGCCGACGATACAGGACAAGAGACATGTCTAAG
MetSerLys

ATTTTGATTCGTAAAACCTGGCGTAATCACTGGTGATGACGTACAGAAAGTTTCCAG
IlePheAspPheValLysProGlyValIleThrGlyAspAspValGlnLysValPheGln

GTAGCAAAAGAAAACAACCTCGCACTGCCAGCAGTAAACTGCGTCGGTACTGACTCCATC
ValAlaLysGluAsnAsnPheAlaLeuProAlaValAsnCysValGlyThrAspSerIle

AACGCCGTACTGGAAACCGCTGCTAAAGTTAAAGCGCCGGTTATCGTTAGTTCTCCAAC
AsnAlaValLeuGluThrAlaAlaLysValLysAlaProValIleValGlnPheSerAsn

GGTGGTGCTCCTTATCGCTGGTAAAGGCGTGAAATCTGACGTTCCGCAGGGTGCTGCT
GlyGlyAlaSerPheIleAlaGlyLysGlyValLysSerAspValProGlnGlyAlaAla

ATCCTGGCGCGATCTCTGGTGCATCACGTTACCAAGATGGCTAACATTATGGTGTT
IleLeuGlyAlaIleSerGlyAlaHisHisValHisGlnMetAlaGluHisTyrGlyVal

CCGGTTATCCTGCACACTGACCACTGCGCGAAGAAACTGCTGCCGTGGATCGACGGCTG
ProValIleLeuHisThrAspHisCysAlaLysLysLeuLeuProTrpIleAspGlyLeu

TTGGACGCGGGTGAAAAACACTTCGAGCTACCGGTAAGCCGCTGTTCTTCTCACATG
LeuAspAlaGlyGluLysHisPheAlaAlaThrGlyLysProLeuPheSerSerHisMet

ATCGACCTGTCTGAAGAATCTCTGCAAGAGAACATCGAAATCTGCTCTAAATACCTGGAG
IleAspLeuSerGluGluSerLeuGlnGluAsnIleGluIleCysSerLysTyrLeuGlu

CGCATGTCCAAATCGGCATGACTCTGGAAATCGAACTGGGTTGCACCGGTGGTGAAGAA
ArgMetSerLysIleGlyMetThrLeuGluIleGluLeuGlyCysThrGlyGlyGluGlu

GACGGCGTGGACAACAGCCACATGGACGCTTCTGCACTGTACACCCAGCCGGAAGACGTT
AspGlyValAspAsnSerHisMetAspAlaSerAlaLeuTyrThrGlnProGluAspVal

GATTACGCATACACCGAACTGAGCAAATCAGCCCGCGTTACCATCGCAGCGTCCTTC
AspTyrAlaTyrThrGluLeuSerLysIleSerProArgPheThrIleAlaAlaSerPhe

FIG. 1A

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GGTAACGTACACGGTGTTACAAGCCGGTAAACGTGGTTCTGACTCCGACCATCCTGCGT
GlyAsnValHisGlyValTyrLysProGlyAsnValValLeuThrProThrIleLeuArg

GATTCTCAGGAATATGTTCCAAGAACACAACCTGCCGCACAAACAGCCTGAACCTCGTA
AspSerGlnGluTyrValSerLysLysHisAsnLeuProHisAsnSerLeuAsnPheVal

TTCCACCGTGGTCCGGTTCTACTGCTCAGGAAATCAAAGACTCCGTAAGCTACGGCGTA
PheHisGlyGlySerGlySerThrAlaGlnGluIleLysAspSerValSerTyrGlyVal

GTAAAAATGAACATCGATAACCGATAACCAATGGGCAACCTGGGAAGGCCTCTGAACCTAC
ValLysMetAsnIleAspThrAspThrGlnTrpAlaThrTrpGluGlyValLeuAsnTyr

TACAAAGCGAACGAAAGCTTATCTGCAGGGTCAGCTGGTAACCCGAAAGGCGAAGATCAG
TyrLysAlaAsnGluAlaTyrLeuGlnGlyGlnLeuGlyAsnProLysGlyGluAspGln

CCGAACAAGAAATACTACGATCCGCGCGTATGGCTGCGTGCCTGGTCAGACTTCGATGATC
ProAsnLysLysTyrTyrAspProArgValTrpLeuArgAlaGlyGlnThrSerMetIle

GCTCGTCTGGAGAAAGCATTCCAGGAACCTGAACGCGATCGACGTTCTGTAAGATATTCC
AlaArgLeuGluLysAlaPheGlnGluLeuAsnAlaIleAspValLeuEnd

TTCTGCTTATCTCAAGGCCGCTCTGCAGGTCTTTTTTCG

FIG. 1B

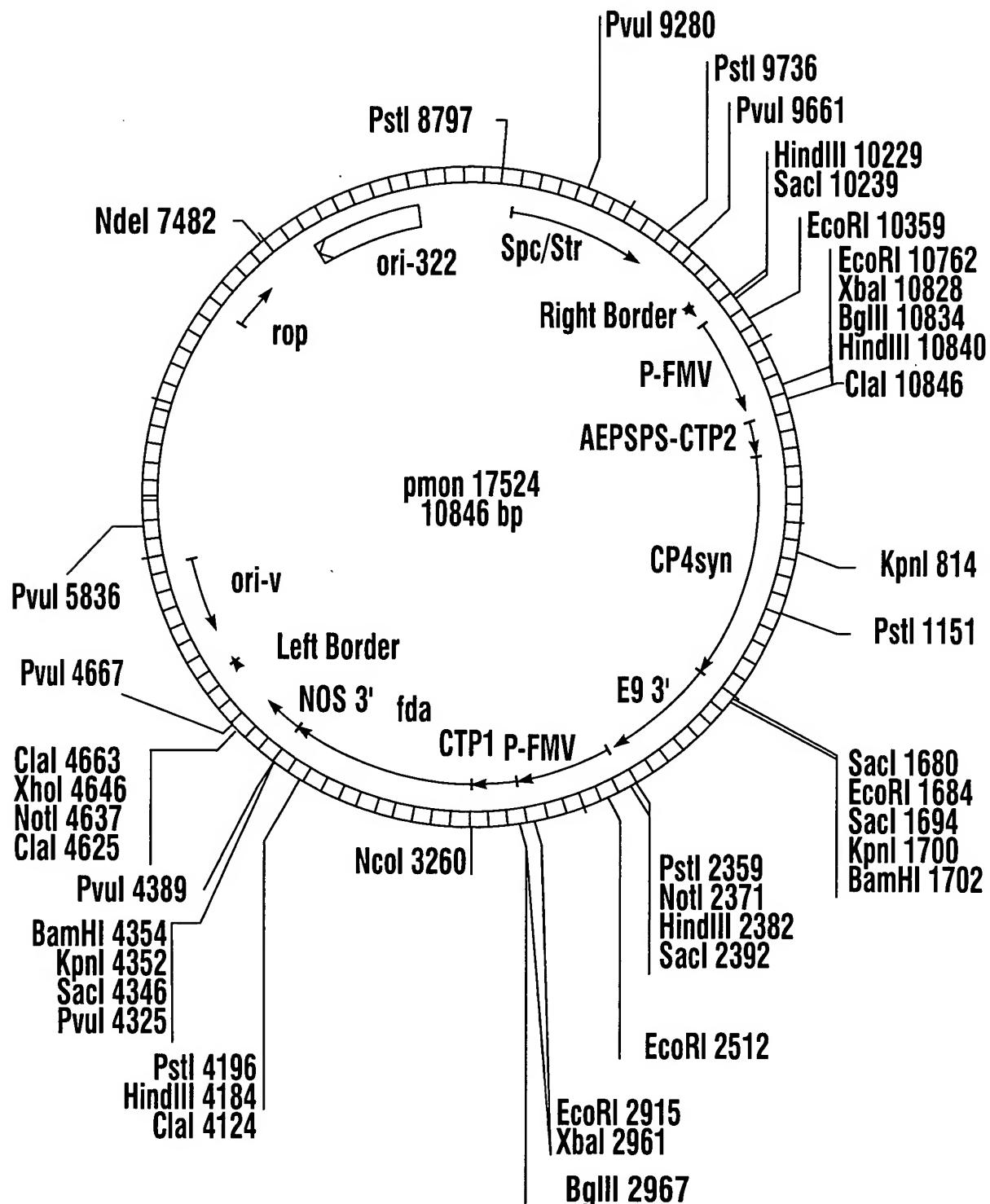


FIG. 2

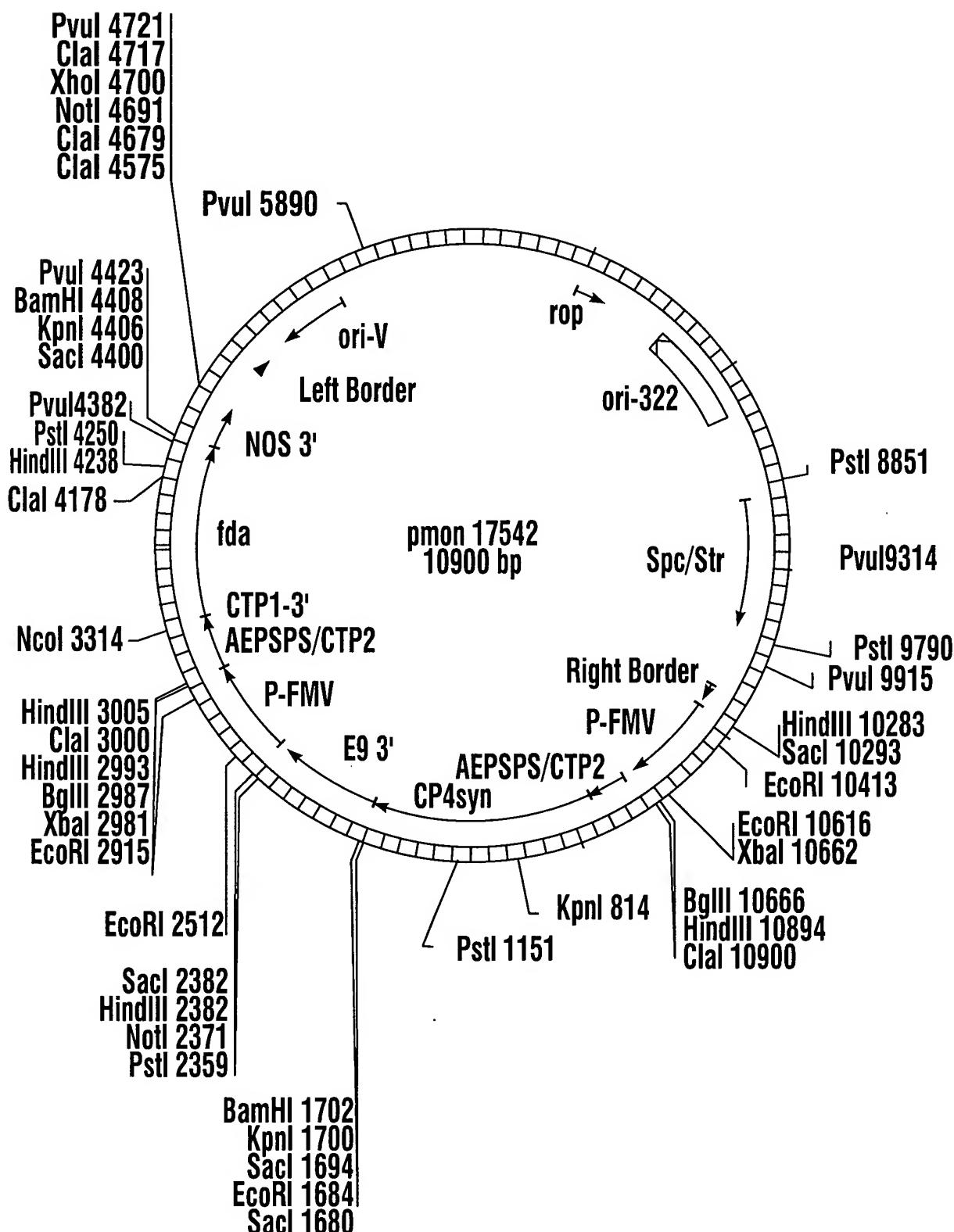


FIG. 3

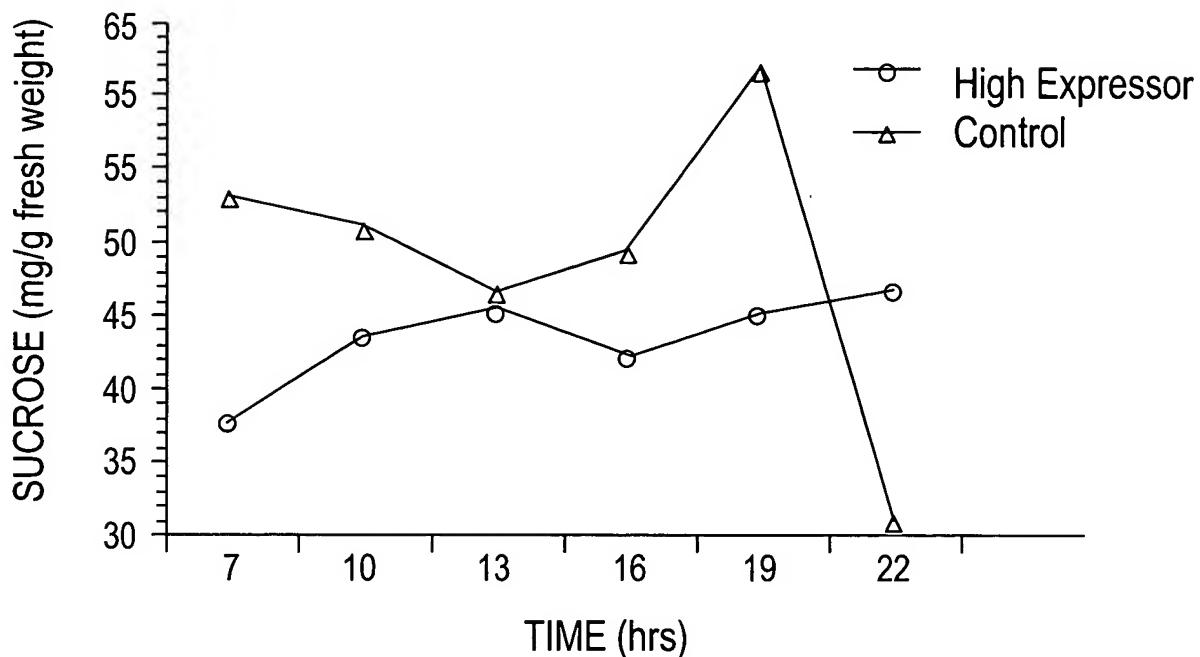


FIG. 4A

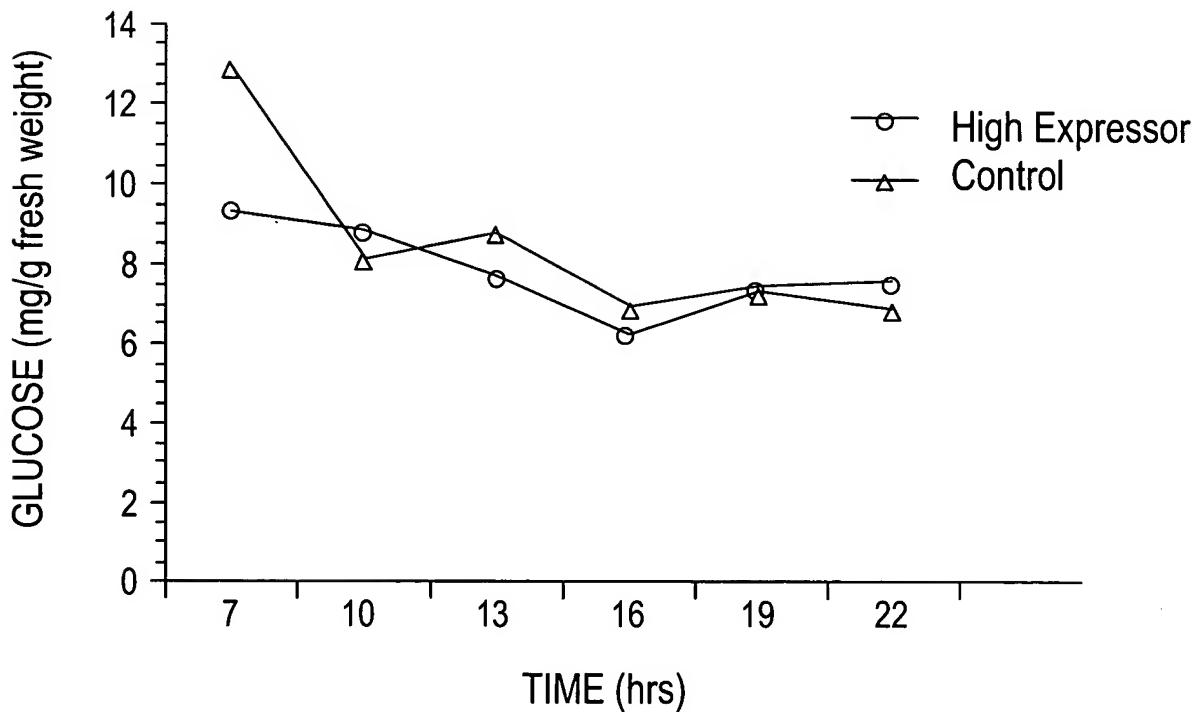


FIG. 4B

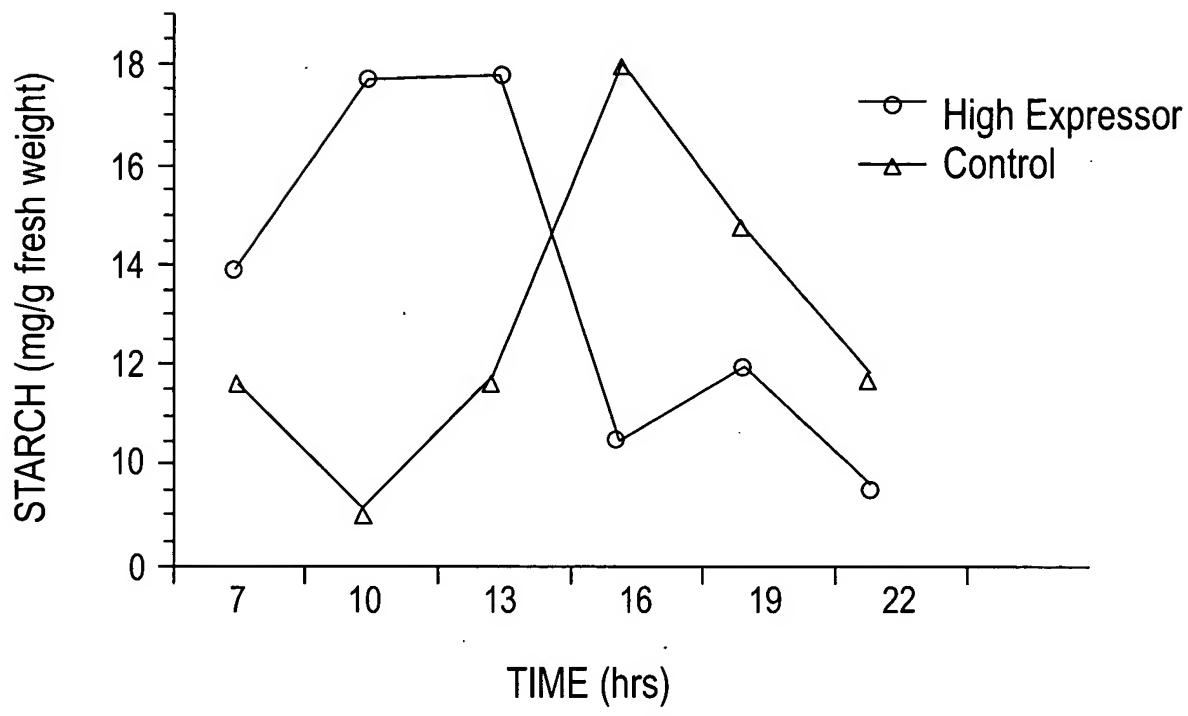


FIG. 4C

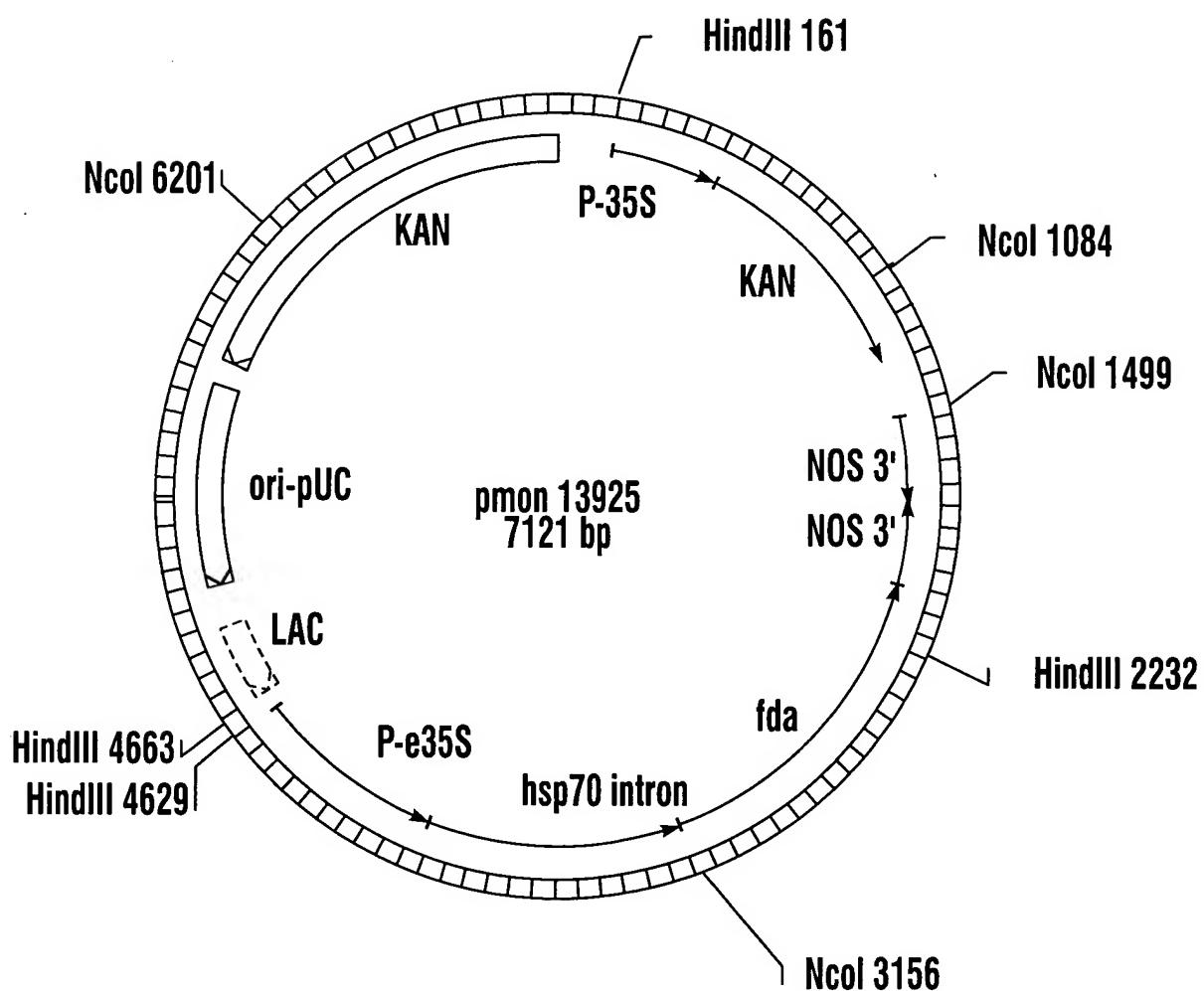


FIG. 5

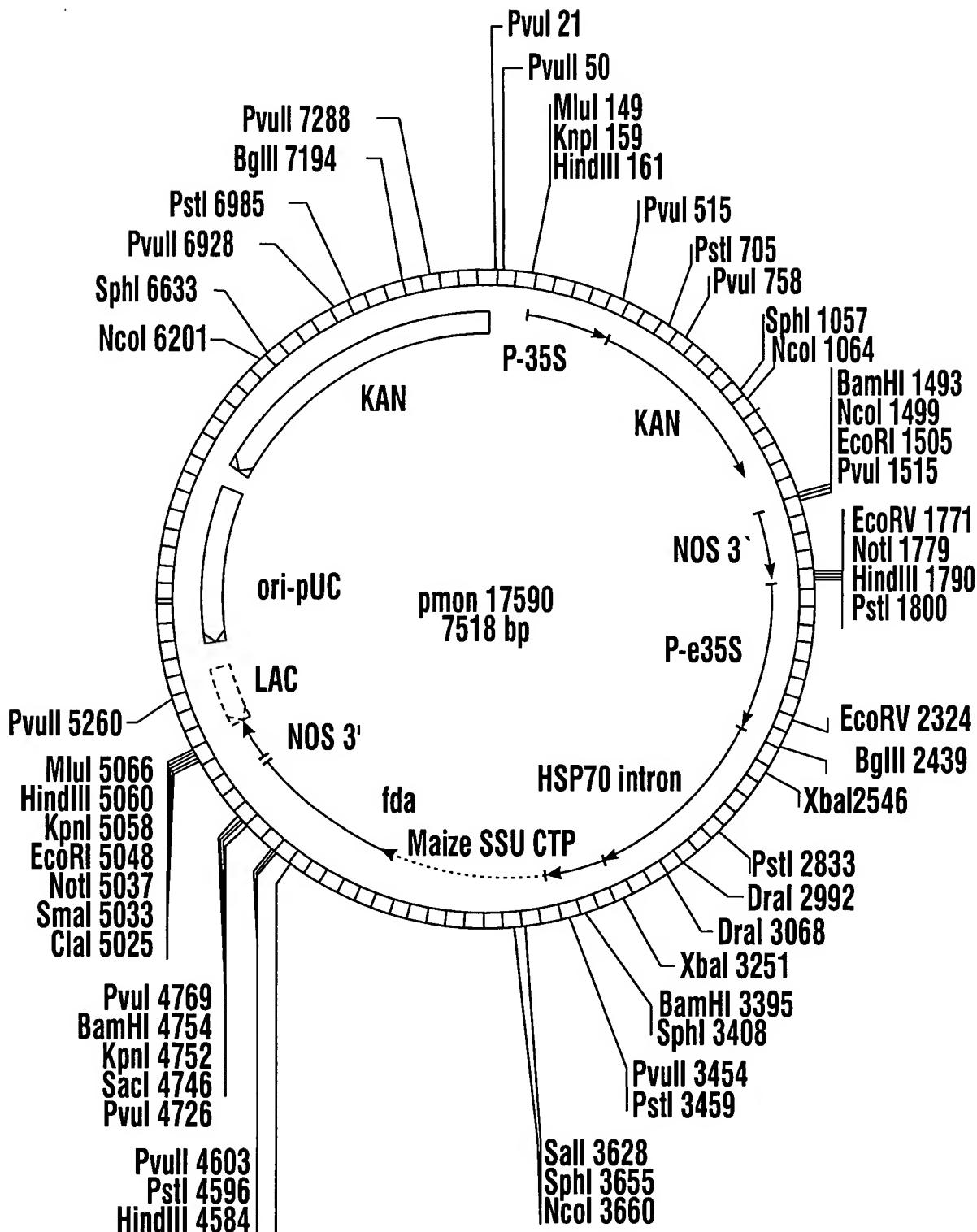


FIG. 6

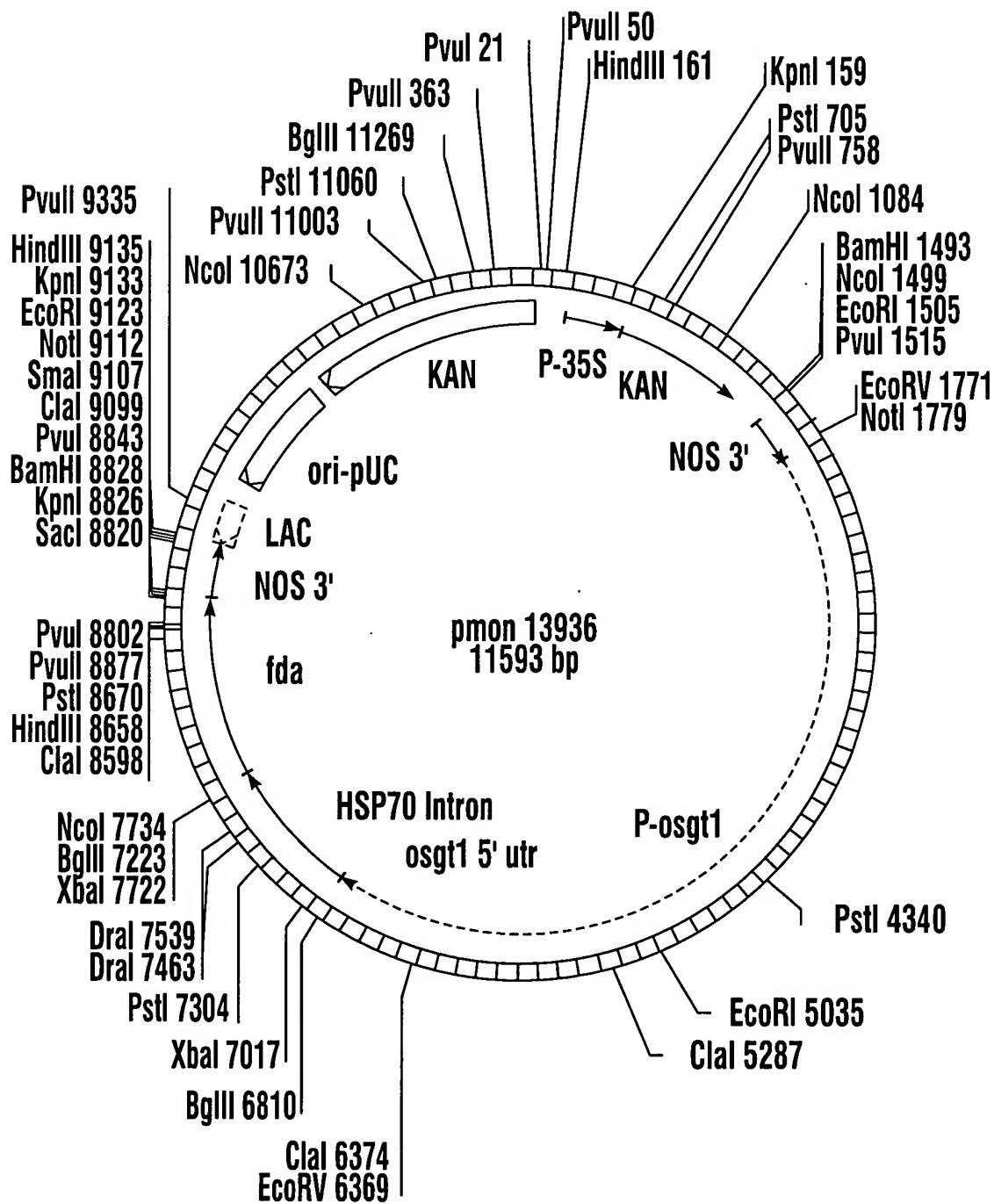


FIG. 7

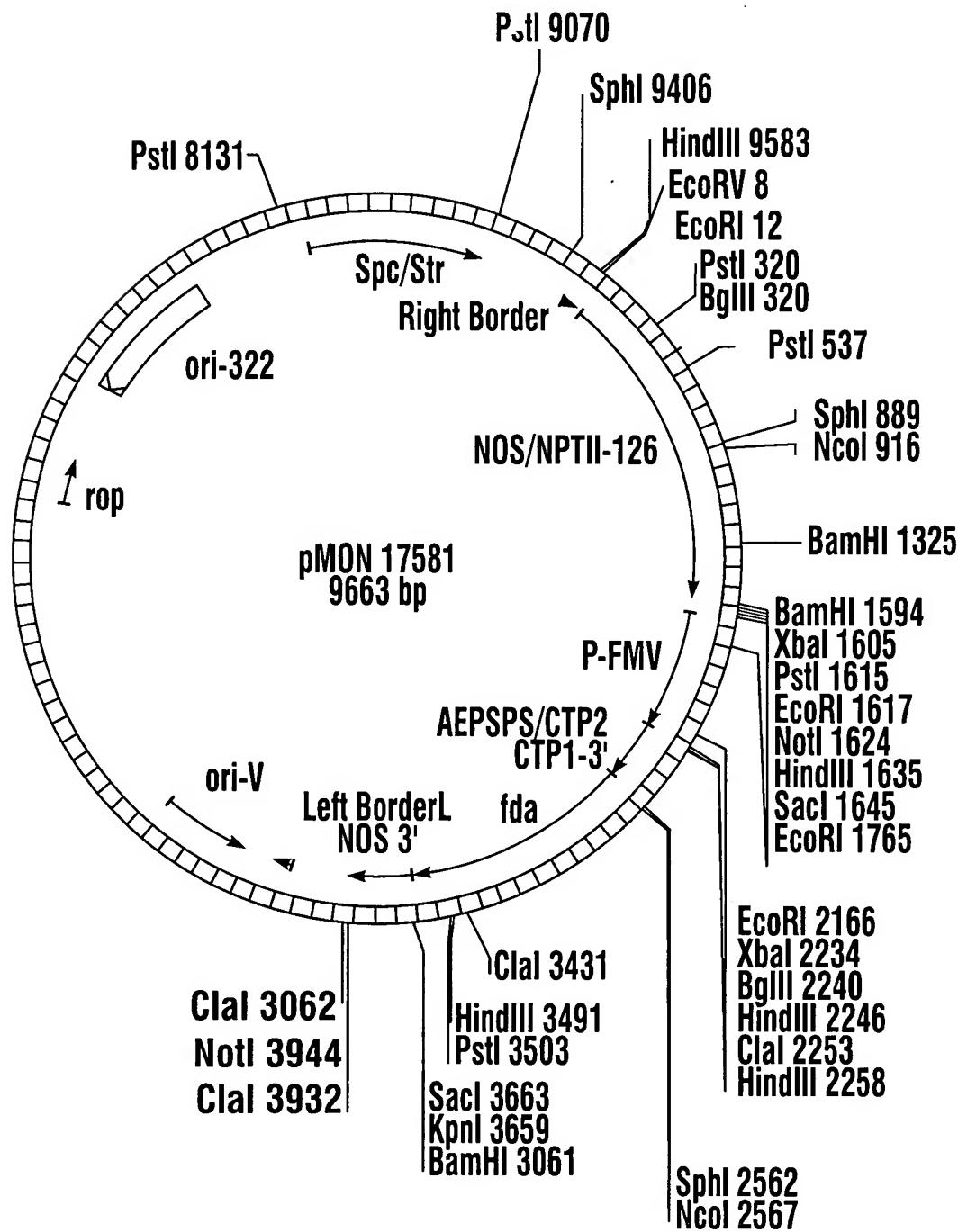


FIG. 8

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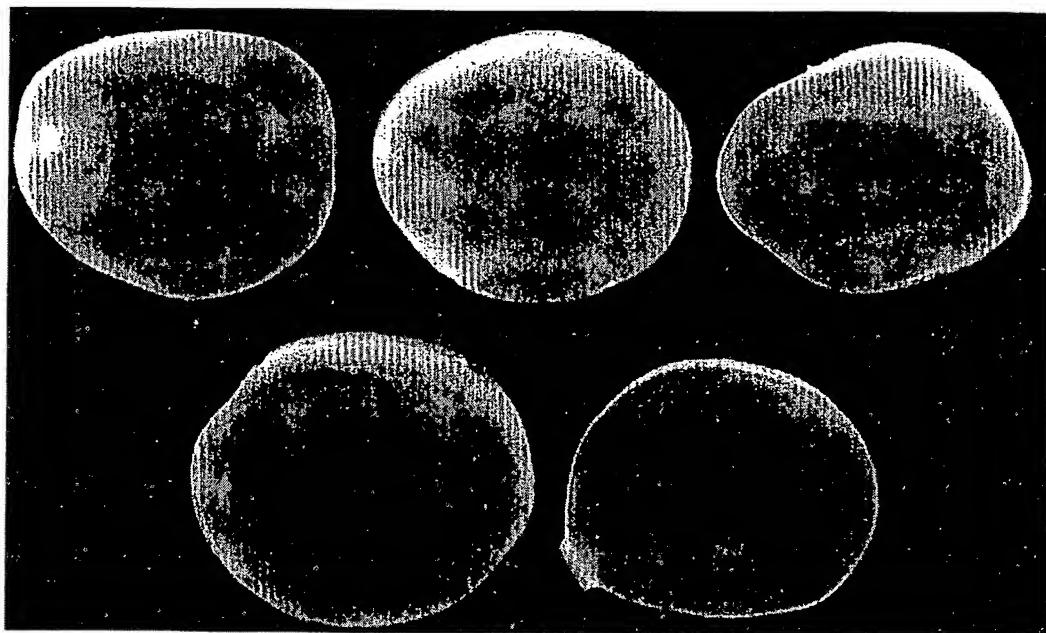


FIG. 9